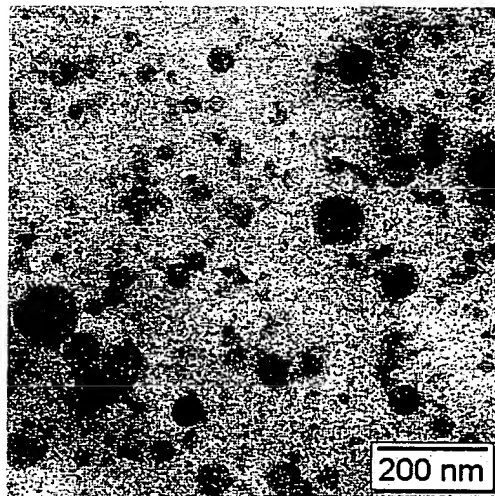


FIG. 1B



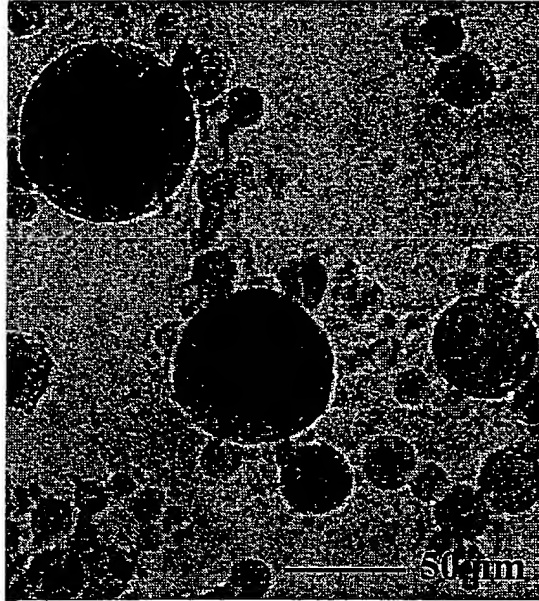


FIG. 2A

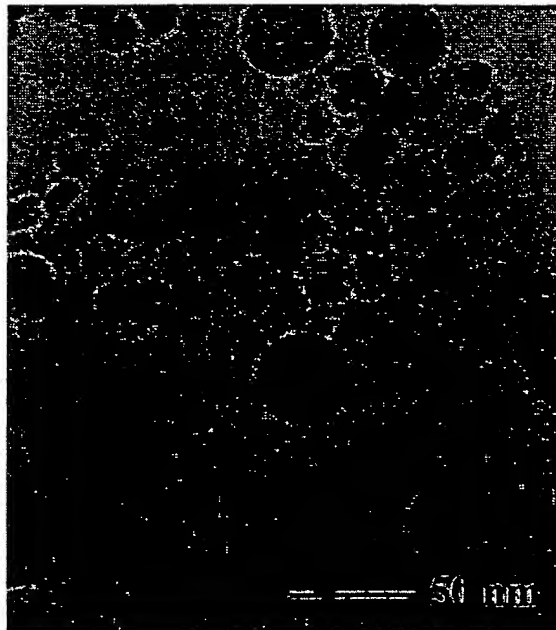


FIG. 2B

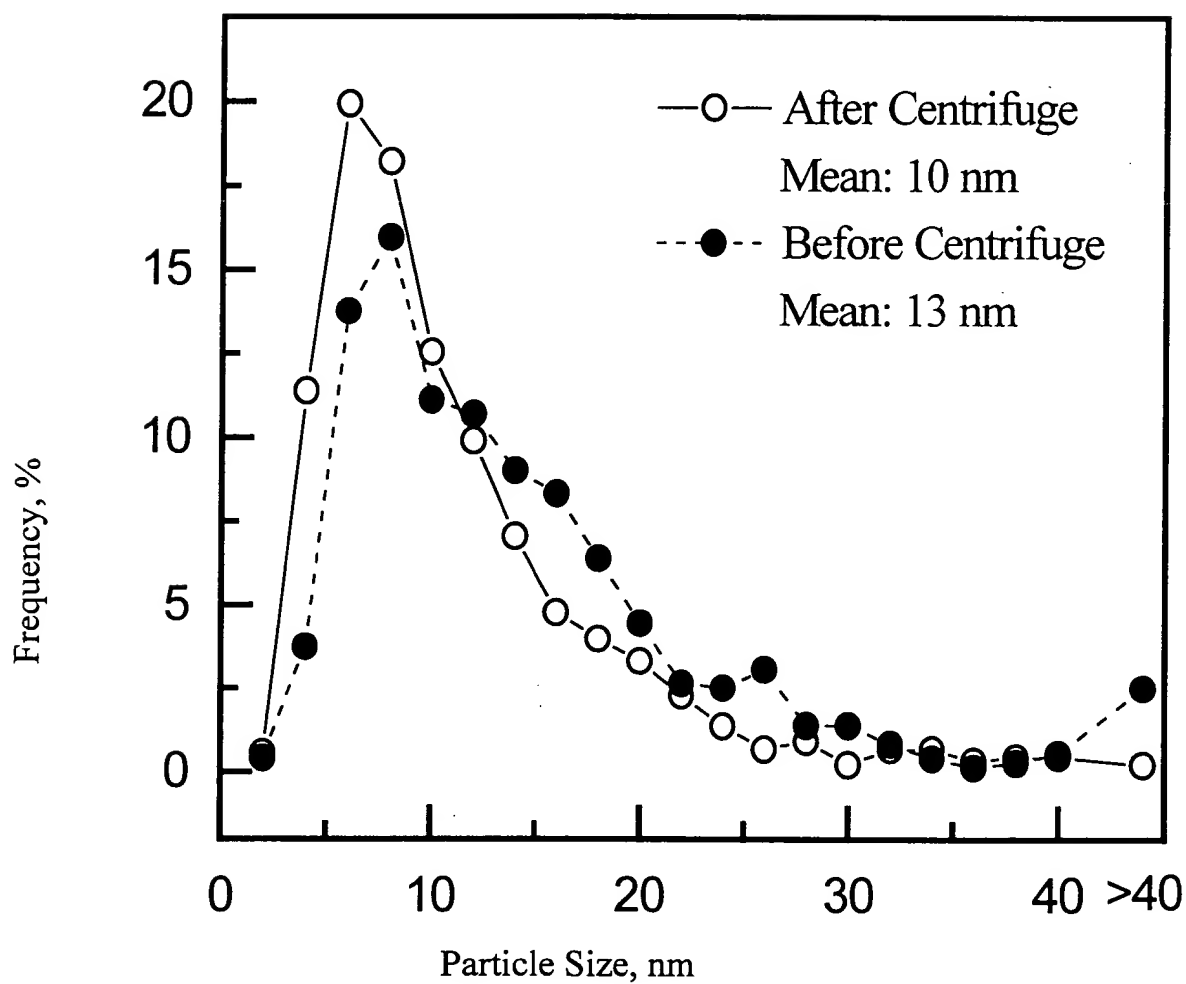


FIG. 2C

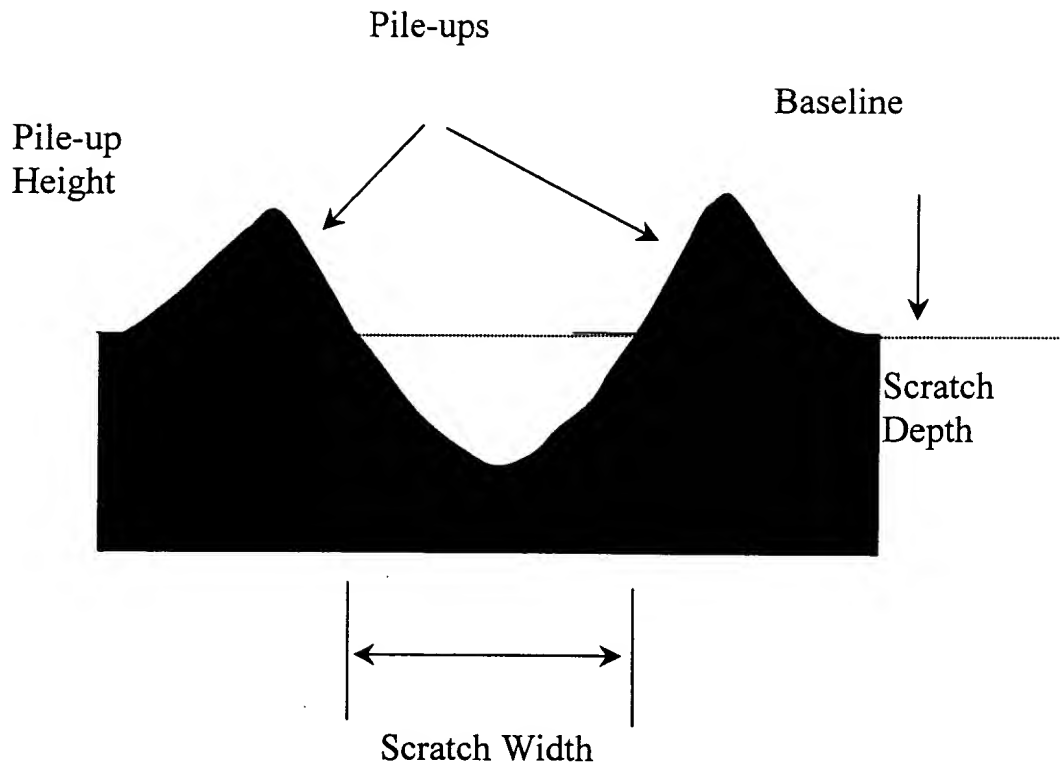


FIG. 3

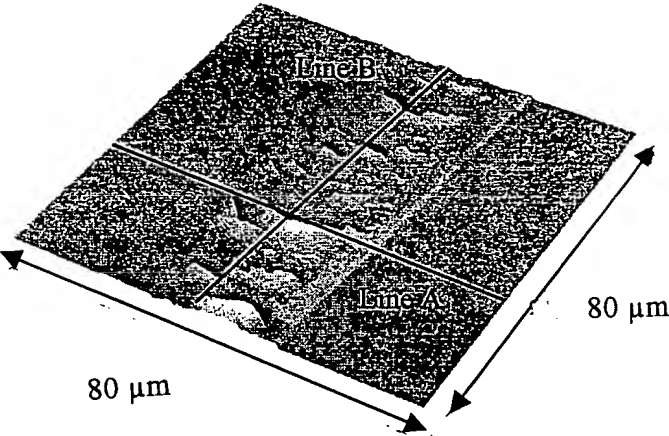
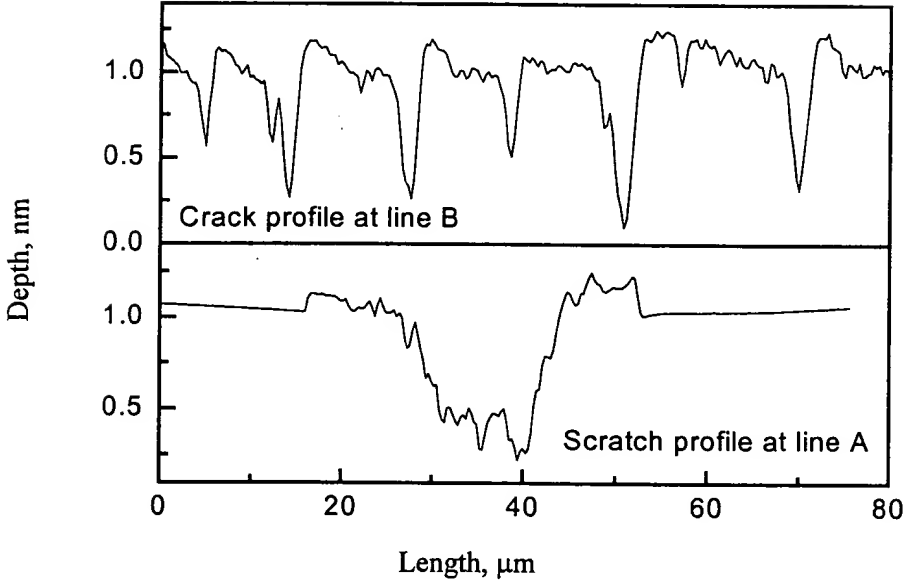


FIG. 4A



(a)

FIG. 4B

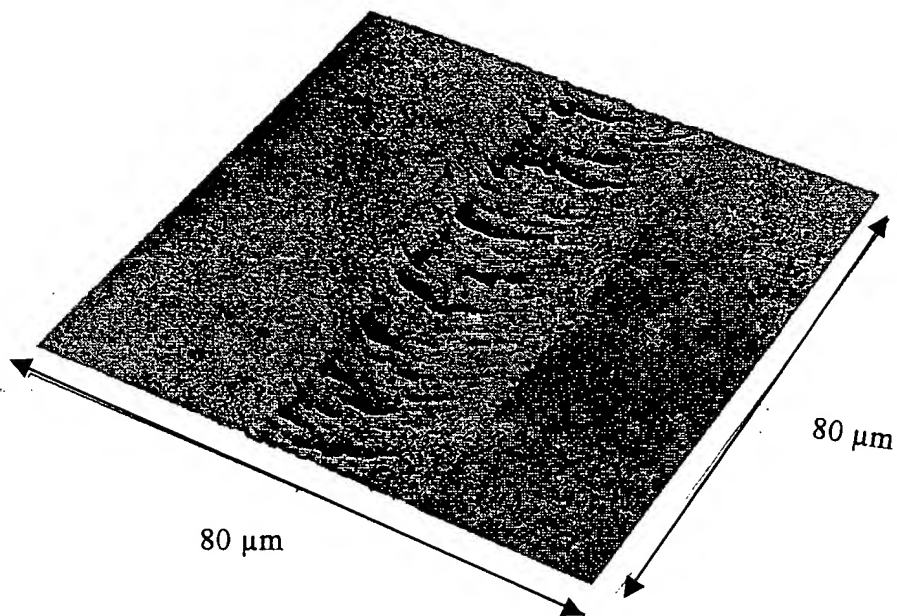


FIG. 4C

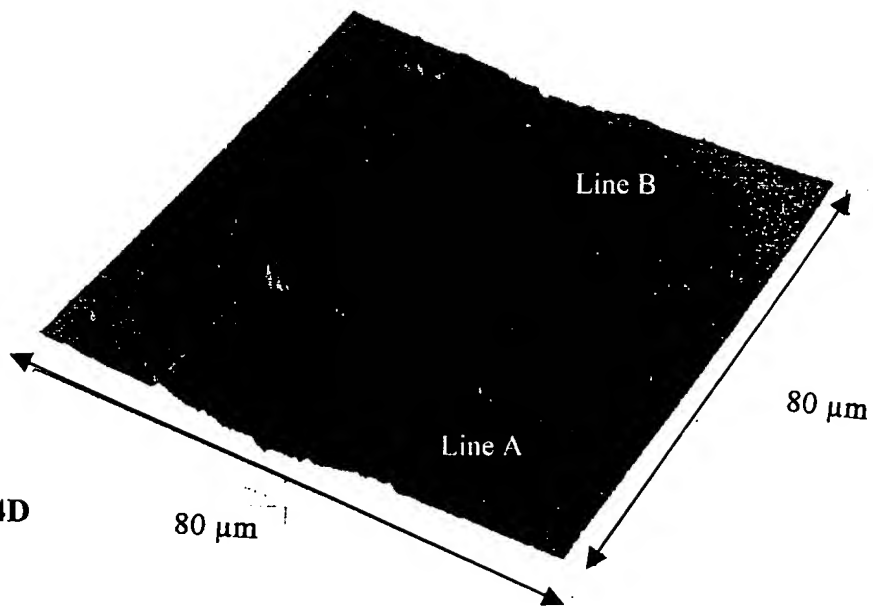


FIG. 4D

0094.050-4044

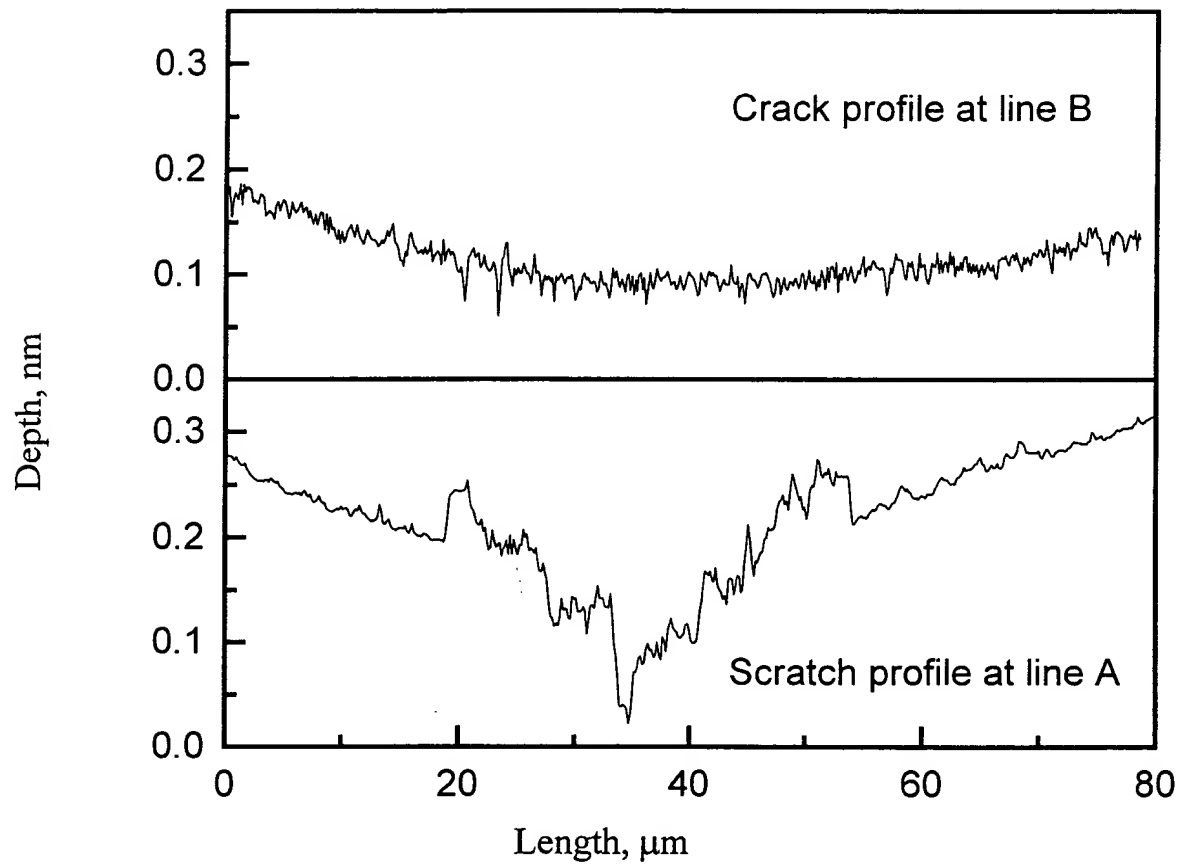


FIG. 4E

Concentration of as-received Al_2O_3 in the dry gel film, wt%

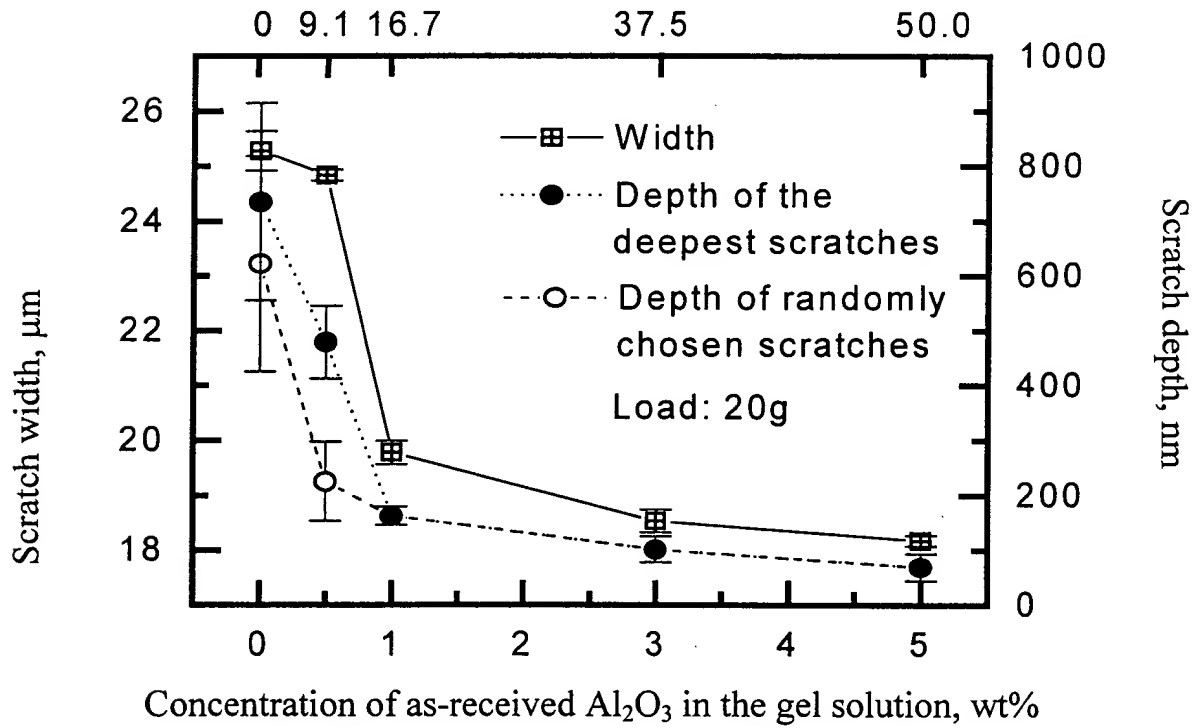


FIG. 5

9/16

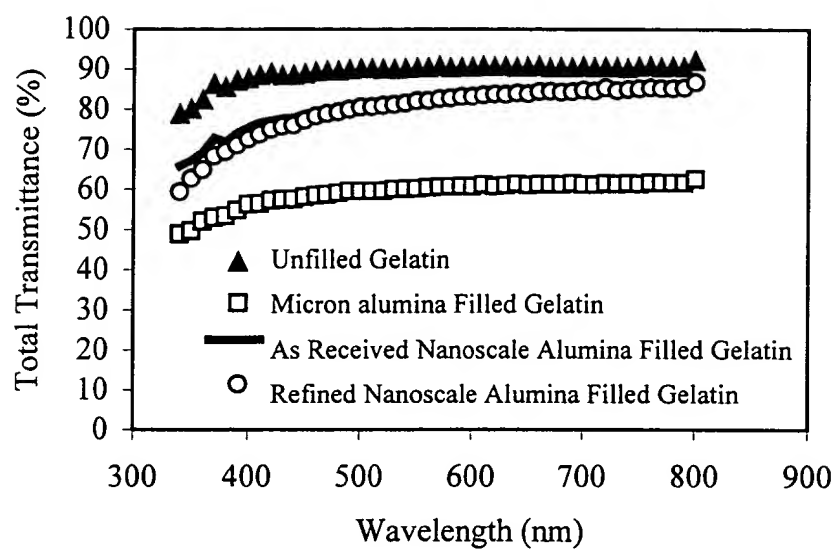


FIG. 6

Concentration of refined Al_2O_3 in the dry gel film, wt%

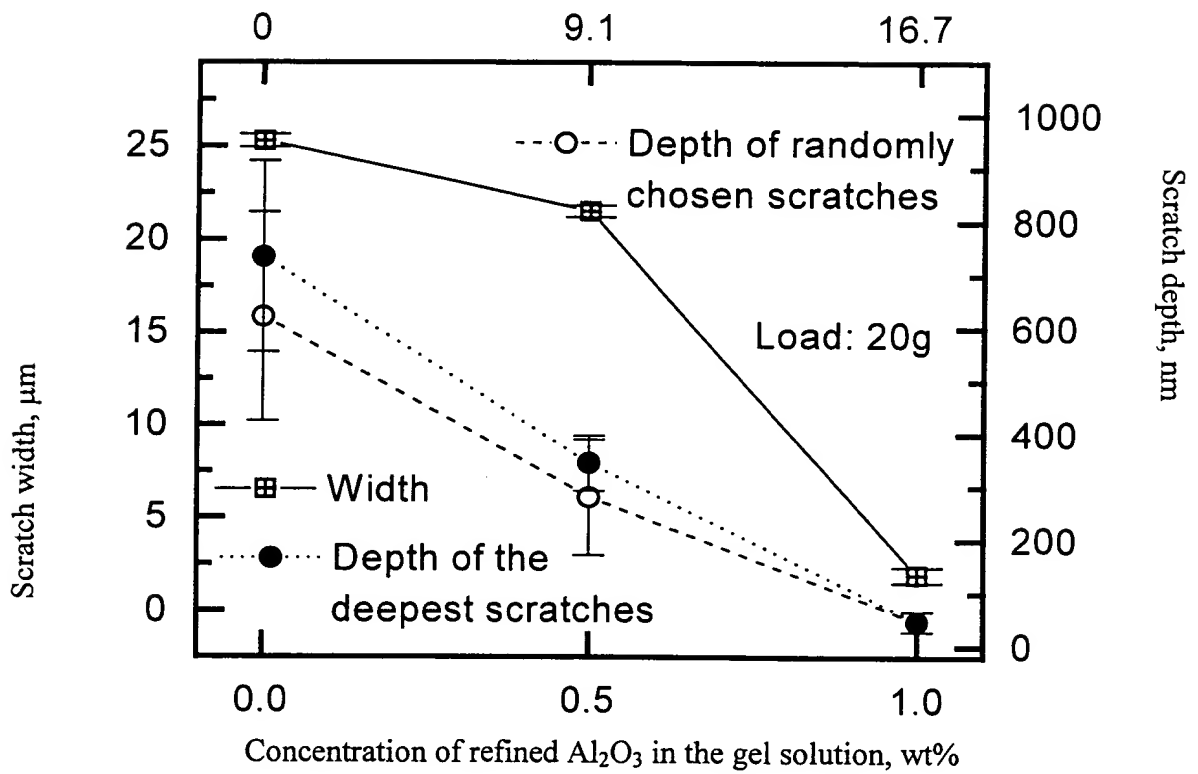


FIG. 7

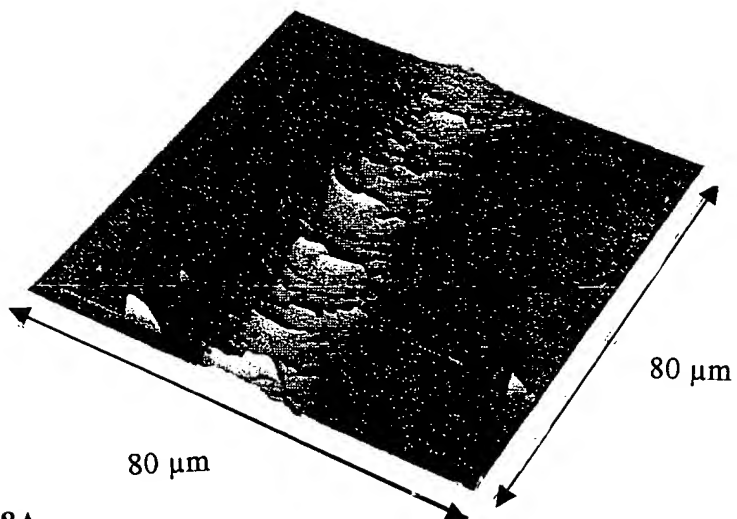


FIG. 8A

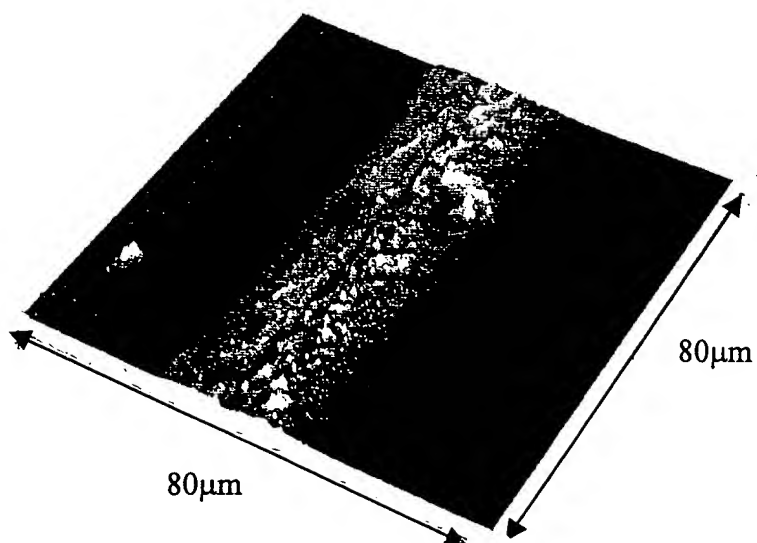


FIG. 8B

12/16

FIG. 9A

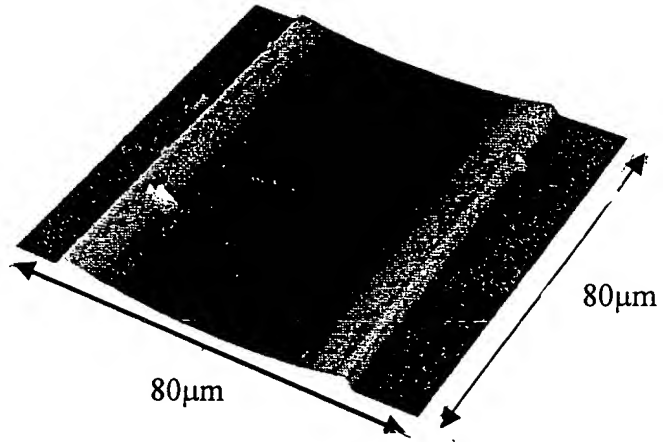


FIG. 9B

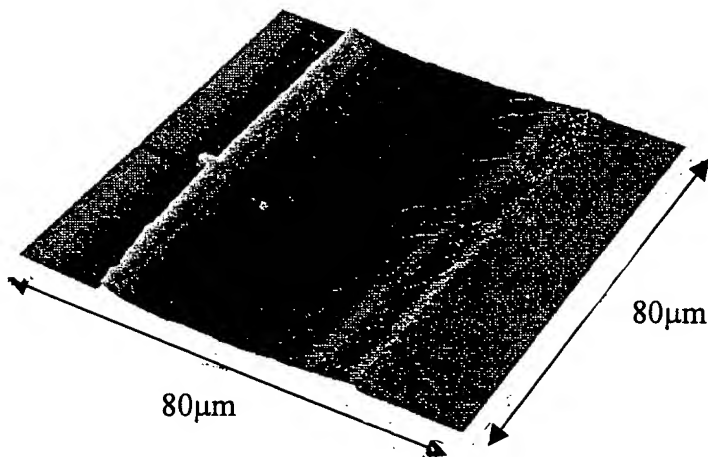
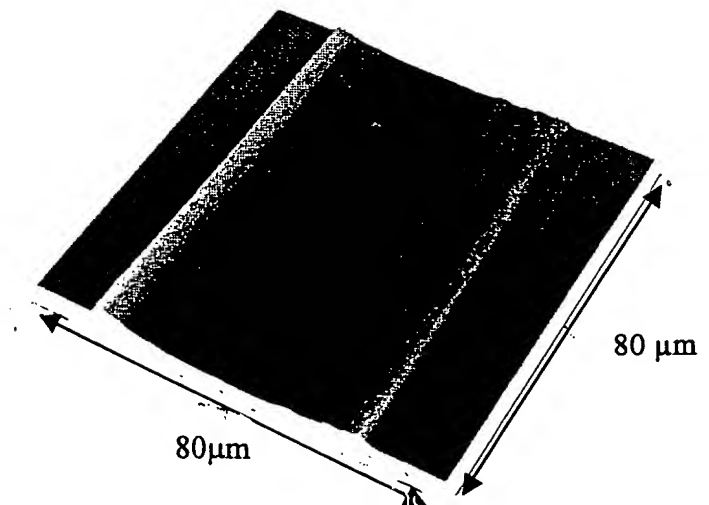


FIG. 9C



Concentration of as-received Al_2O_3 in the dry gel film, wt%

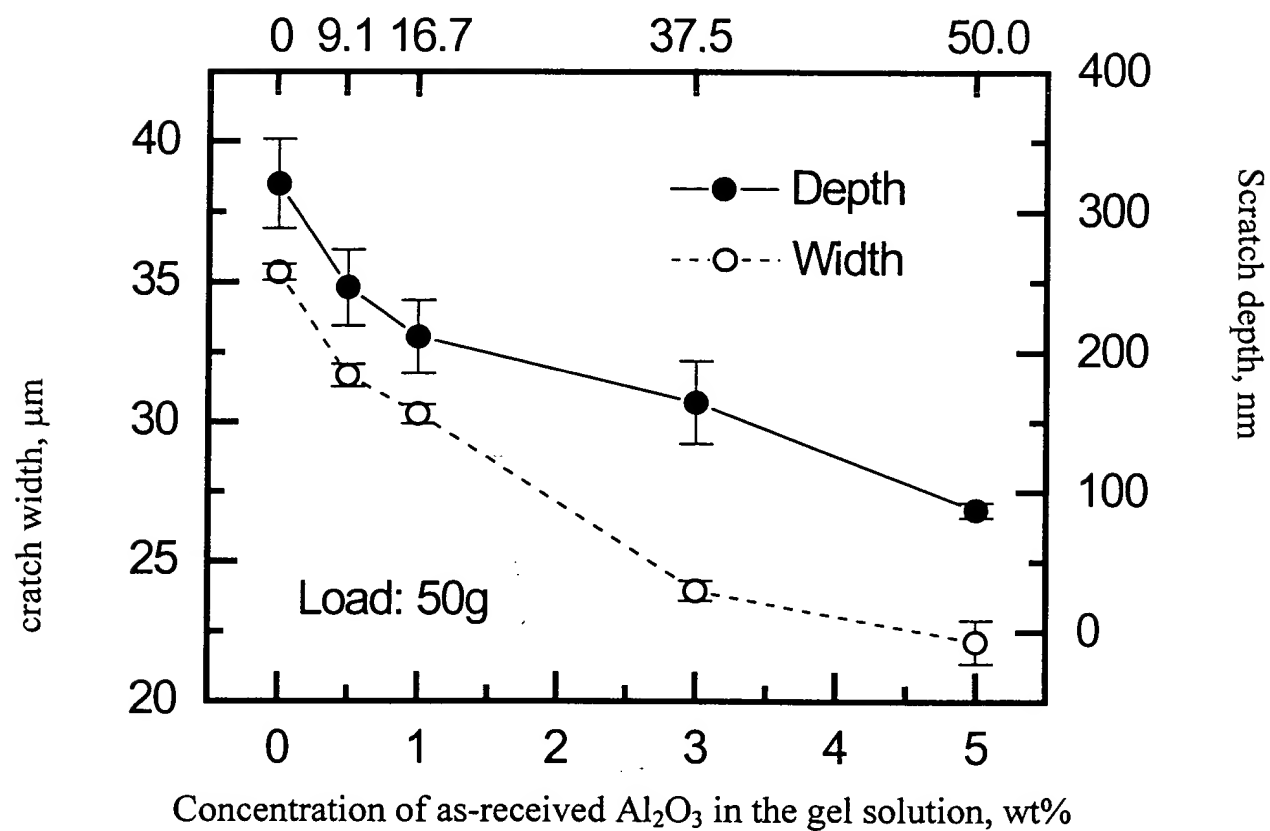


FIG. 10

Concentration of refined Al_2O_3 in the dry gel film, wt%

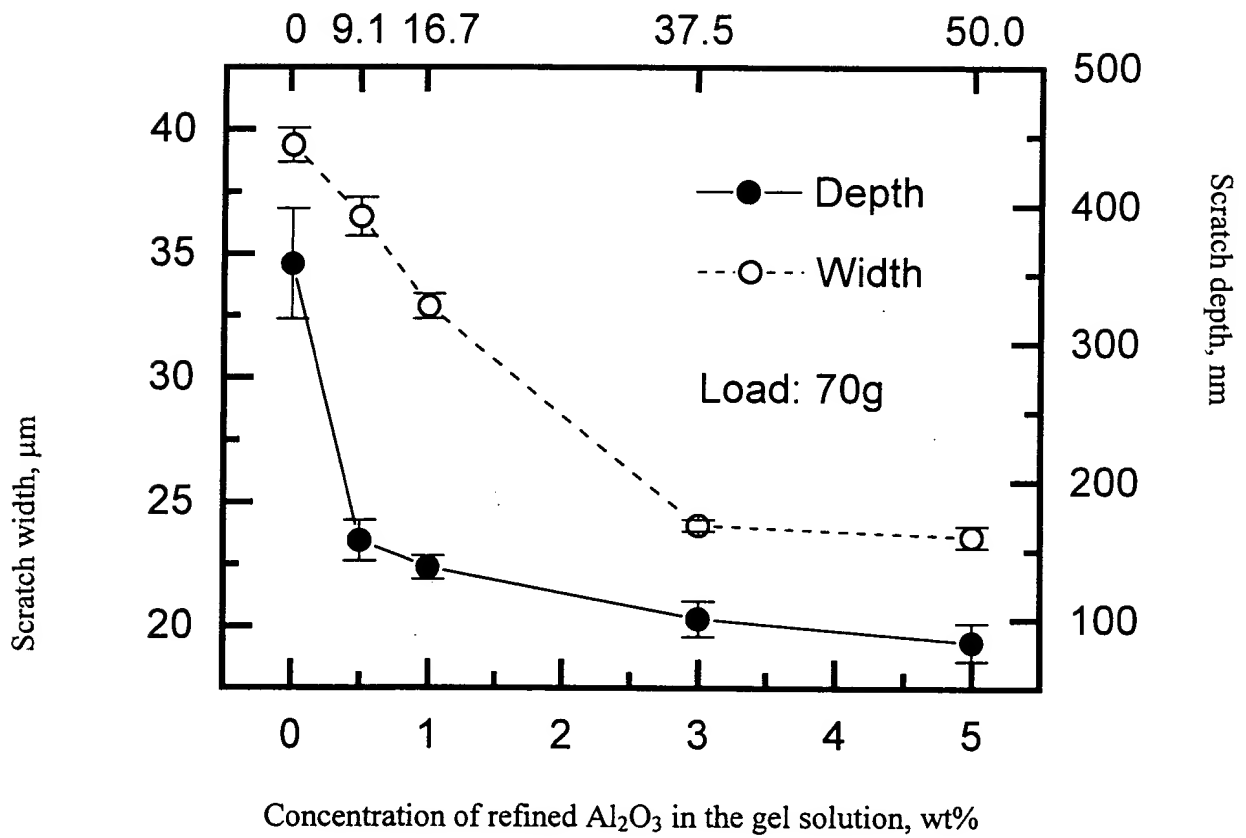


FIG. 11

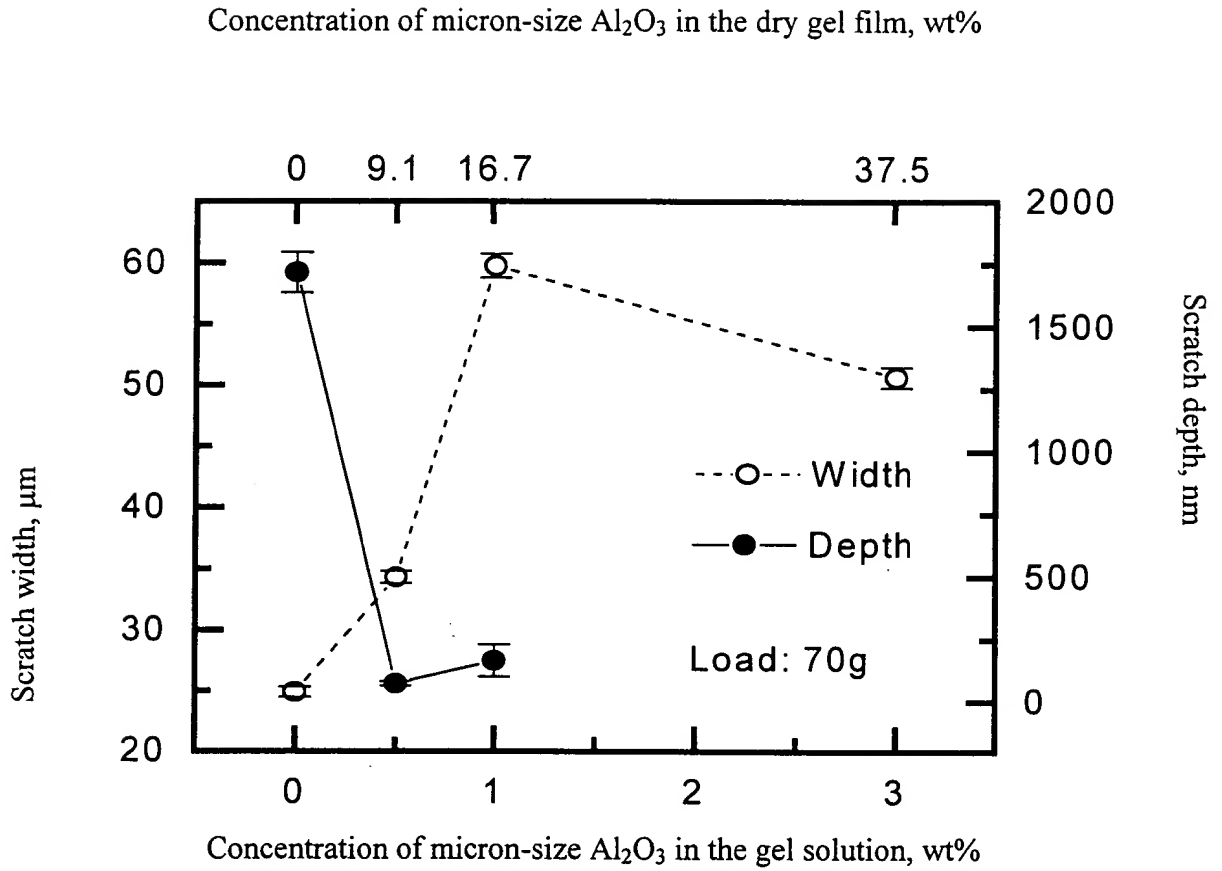


FIG. 12

FIG. 13A

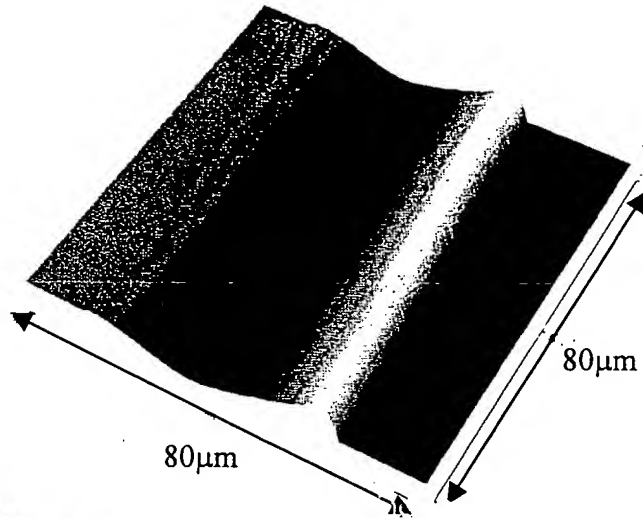


FIG. 13B

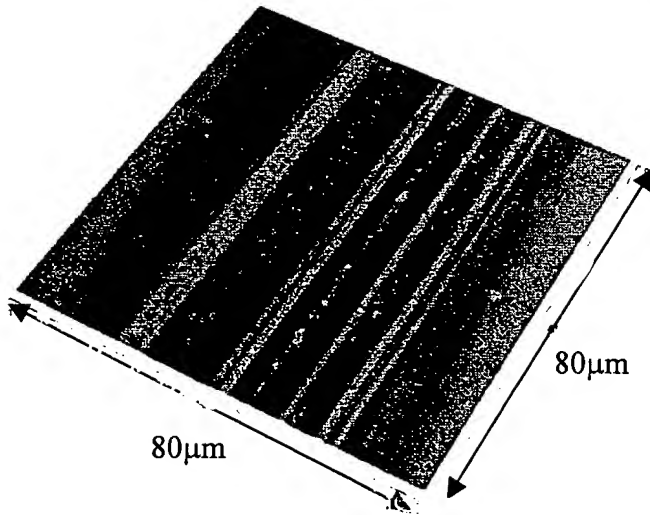
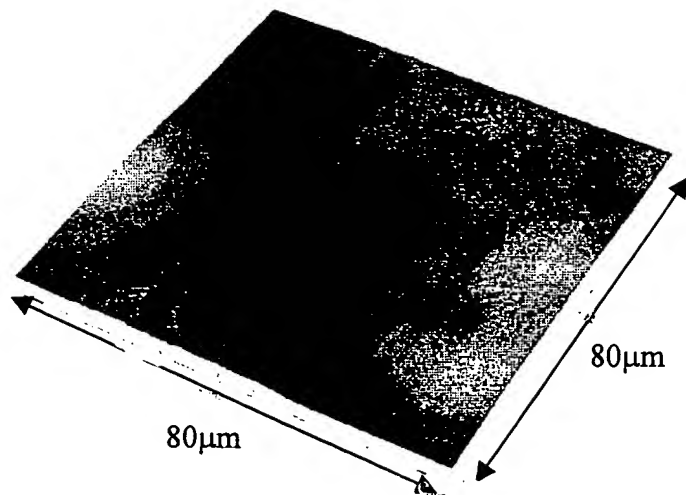


FIG. 13C



0094.050-10000